



**SBG SYSTEMS**

Motion & Navigation you can trust

DEFENSE

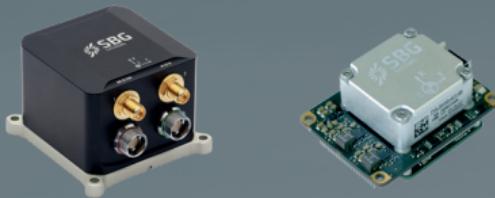
# Inertial Navigation Systems



- UAV
- Loitering munitions



## RUGGED & OEM



Rugged MIL-STD sensors

Compact OEM solutions

## INTEGRATION & APIs

Binary / NMEA / RESTful API

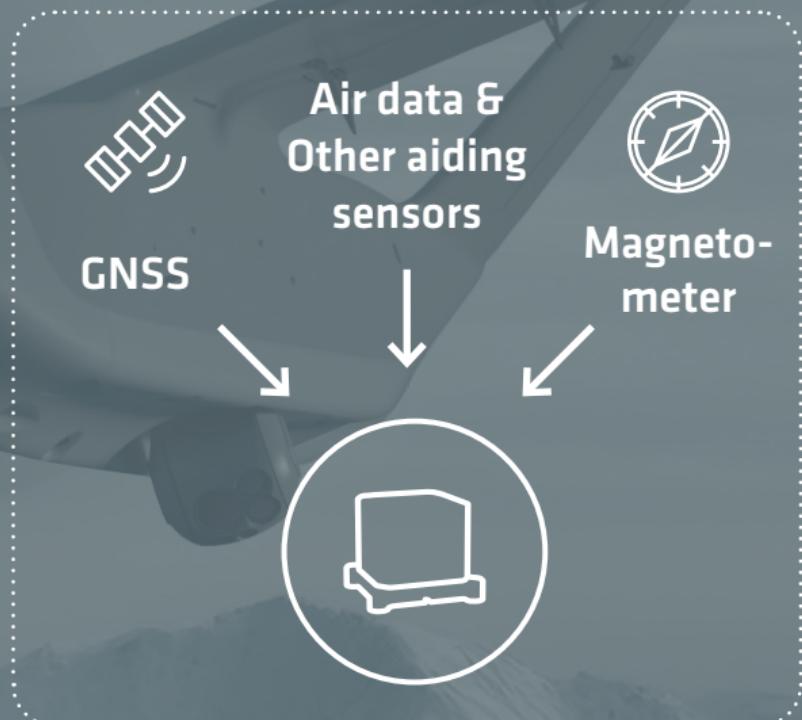
**pixhawk**  
Drivers

**ARDUPILOT**  
Drivers

# NAVIGATION SOLUTIONS

We design and manufacture inertial navigation solutions designed to combine robustness and precision. Our sensors are combat-proven.

## MULTI-SENSOR FUSION



Robust position & attitude

## JAMMING & SPOOFING



### Mitigation

Adaptive notch filtering, RAIM, wide-band filtering, inertial tight coupling



### Alerts

Frequency analysis, inertial coupling, OSNMA...



### Circumvention

Dead reckoning with sensors hybridization

## DEAD RECKONING PERFORMANCES



### Apogee

0.5% distance travelled *during 5 min.\**



### Ekinox Micro

1% distance travelled *during 5 min.\**



### Ellipse

2% distance travelled *during 2 min.\**

\* Performances for fixed-wing UAV with « Air Data » speed sensor

# WHY CHOOSE US



ITAR Free



Individually Calibrated Products



Incredible Size, Weight and Performance ratio



Designed and manufactured in France



Advanced MEMS Technology



## About us

We are a privately owned company, providing a wide range of inertial motion sensing solutions, from design to manufacturing and support.

Our products are perfect solutions for industrial, research, and defense projects such as unmanned vehicle control, missile guidance, antenna tracking, stabilization.

# CONTACT US

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